LAND APPLICATION SITE TIMOTHY G. BAUGHER GRTGB 1-5 GREENE COUNTY

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

here as "Landowner", and - remains in effect until it is to the Landowner in the event individual parcels identified	Recyc Systems, Inc., recommended in writing by either	eferred to here as the "Per party or, with respect to the cels, until ownership of all p those parcels for which own	ose parcels that are retained by parcels changes. If ownership of nership has changed will no
Landowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	er of record of the real proper or reclamation sites identifie	ty located in <u>Greene</u> d below in Table 1 and ider	Virginia, which includes
Table 1 Parcels aut	horized to receive biosolids,	water treatment residuals o	r other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
38-A-107			
· <u> </u>			~
			
Additional parcels containing Lan	d Application Sites are identified on	Supplement A (check if applicable)
•	e Landowner is the sole own		
	e Landowner is one of multip		
within 38 months of the late 1. Notify the purchase later than the date	wner sells or transfers all or past date of biosolids application or transferee of the application of the property transfer; and so the sale within two weeks	on, the Landowner shall: ble public access and crop	management restrictions no
notify the Permittee immedi	er agreements for land applic lately if conditions change su- if this agreement becomes in	ch that the fields are no lon	ger available to the Permittee
agricultural sites identified a inspections on the land ider	nts permission to the Permitt above and in Exhibit A. The I ntified above, before, during o npliance with regulatory requi	andowner also grants perror after land application of p	nission for DEQ staff to conduct ermitted residuals for the
Class B biosolids Wate ☑ Yes ☐ No ☑ Ye			Other industrial sludges ☑ Yes ☐ No
Stoven D P	Baucher Hu	> D. Bruke	- 434 489 5119 NP
Landowner – Printed Name, Title	Signature	34 miller motor 12	gillng Address & Phone Number 20
	Permittee, agrees to apply bioso	olids and/or industrial residuals	VA 22968 on the Landowner's land in the
	A Permit Regulation and in amoup polication field by a person certification.		ntified in the nutrient management 04.2 of the Code of Virginia.
			schedule for land application and e source of residuals to be applied.
	assigning signatory authority to for review upon request. (Do no		ner above. I will make a copy of this ligns this agreement)
Permittee – Authorized Represe	Structure Standard		emington, Virginia 22734
Printed – Authorized Represe Printed Name		M	ailing Address

Rev 9/14/2012

Permittee: R.cyc Systems, Inc	County or City: —Greene
Landowner: Steven Baugher	

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e Feed crops shall not be harvested for 30 days after the application of blosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5 Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three
 years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45
 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Date

Farm Operator Signature

Mailing Address & Phone Number

834 miller mith Rd

22168

Rev 9/14/2012

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

remains in effect until it is the Landowner in the ever individual parcels identified	reement is made on 11- Recyc Systems, Inc terminated in writing by eithe at of a sale of one or more pa d in this agreement changes beive biosolids or industrial r	er party or, with respect t arcels, until ownership of , those parcels for which	o those parcer all parcels cha ownership ha	s that are retained by anges. If ownership of
Landowner:		Duck.	-41114	
The Landowner is the own	er of record of the real prope I or reclamation sites identifi	erty located in Full 1 and	Identified on the	nia, which includes ne tax man(s)
attached as Exhibit A.	1 Of Tectat Hadon Sites Identifi	100 00:0W Table Table	1001101100 011 11	TO CAR THOP(V)
Table 1.: Parcels au	thorized to receive biosolids	, water treatment residua	als or other ind	ustrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID		Tax Parcel ID
38-A-107				
				
				
Additional parcels containing Lar	d Application Sites are identified or	n Supplement A (check if applic	cable)	
	e Landowner is the sole owi		_	
X Th	e Landowner is one of multi	ple owners of the proper	ties identified l	rerein.
within 38 months of the late 1. Notify the purchase later than the date	wner sells or transfers all or est date of biosolids applicat er or transferee of the applica of the property transfer; and e of the sale within two weel	ion, the Landowner shall able public access and c I	: rop manageme	·
notify the Permittee immed	er agreements for land appli iately if conditions change st if this agreement becomes in	uch that the fields are no	longer availab	le to the Permittee
agricultural sites identified a inspections on the land idea purpose of determining con	nts permission to the Permit above and in Exhibit A. The ntified above, before, during appliance with regulatory requer treatment residuals	Landowner also grants por after land application direments applicable to select on the control of the control	permission for of permitted re uch application	DEQ staff to conduct siduals for the t.
🗵 Yes 🔲 No 🗵 Ye	es 🗆 No 🛮 🛭	☑Yes □No		□ No
Timethy Ba- Landowner - Printed Name, Till	ugher Tante d	Bgh- 3	64 mille	- mtn Road Kers 11: 8 Phone Number Up 225
Coltocation — Citaten Manie, 1986	3 Signatura V	¥.	Manny Audress	a Filolia Indition (1)
manner authorized by the VPA	Permittee, agrees to apply bios A Permit Regulation and in amo oplication field by a person certi	unts not to exceed the rates	s identified in the	nutrient management
	r the Landowner or the Landown lar application to the Landowne			

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this

Permittee - Authorized Representative Printed Name

Signature

document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

PO Box 562 Remington Virginia 22734

Permittee:Recyc Systems, Inc	County or City:
Landowner: Starm & Timotin Baryl	

Landowner Site Management Requirements:

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- 6 Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature Date

Farm Operator Signature

Solution 1/2- mtw Lend Ruckentoil

Mailling Address & Phone Number UD, 22966

FARM DATA SHEET

SITE NAME:	Timothy G. Baugher	COUNTY:	Greene
OWNER:	Timothy G. Baugher and Steven D. Baugher	OPERATOR:	Steven Baugher
OWNER'S	364 Miller Mtn. Road	OPERATOR'S	364 Miller Mtn. Road
ADDRESS:	Ruckersville, VA 22968	ADDRESS:	Ruckersville, VA 22968
OWNER'S TELEPHONE:	434-985-6691	OPERATOR'S TELEPHONE:	434-985-6691
GENERAL FARM TYPE:	Pasture	CELL PHONE:	434-989-5119
# CATTLE:	50	EMAIL:	-
LAGOON or SLURRY:	None	LATITUDE:	38.291
TOPO QUAD:	Stanardsville	LONGITUDE:	78.397
COMMENTS:		METHOD OF DETERMINATION:	Online Maps
			вв 🛠

RECYC SYSTEMS, INC FIELD DATA SHEET

Field	DEQ	Gross	Envir	onmentally \$	Sensitive	Soils		Tax	FSA	
ldentification	Control ID	Acres	Water Table	Bed Rock/Shallow	Surf/ Leach	Freq Flood	Hydro Map	Map#	Tract #	
GRTGB 1	51079-00153-0000	18.3	Cn NovApr. Kn NovMay	-	9	Cs Feb -May	RA 26	38-A-107	T 381 F 2	
GRTGB 2	51079-00154-0000	22.6	BaB JanApr. Kn NovMay	-	(4)	4.7	RA 26	38-A-107	T 381 F 3	
GRTGB 3_	51079-00155-0000	15.6	Kn NovMay		_	Cs Feb -May	RA 26	38-A-107	T 381 F 4	
GRTGB 4	51079-00156-0000	7.8	Hb OctMay Kn NovMay	AsD		Hb OctMay	RA 26	38-A-107	T 381 F 6	
GRTGB 5	51079-00157-0000	12.1	Hb OctMay Kn NovMay	HzD		Hb OctMay	RA 26	38-A-107	T 381 F 5	
TOTAL ACRES IN SITE		76.4								

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Recyc Systems, Inc Site Name: <u>Timothy G. Baugher</u>

County or City: Greene Co.

Please Print

Signature not required on this page

Tax Parcel ID(s)	Landowners (s)
38-A-107	Timothy Gene Baugher and Steven Dwayne Baugher
	<u>-</u>
	· · · · · · · · · · · · · · · · · · ·
	<u> </u>
	•
	-
	<u> </u>
	-

Page 1 of 2

Report Number: 17-275-0555

Send To: Recyc Systems Inc. Susan Trumbo

8455 Whiteshop Road

Culpepper VA 22701

Account Number: 70594

Waypoint [®]

7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 o Fax 804-271-6446 www.waypointanalytical com

"Every acre Every year "m

Grower: Timmy Baugher Greene **GRTGB**

SOIL ANALYSIS REPORT

Analytical Method(s).

SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 10/02/2017

Date Of Analysis: 10/03/2017

Date Of Report: 10/03/2017

		ОМ	W/V	ÉNR		Phosphorus	_	Potassium	Magnesium	Calcium	Sodium	р	Н	Acidity	C.E.C
Sample ID Field ID	Lab Number	% Rate	Soil Class	ibs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
3	04667	5 6 H		143	111 VH			249 VH	203 M	2053 H		68		0_4	13 0
4	04668	4.5 M		126	59 H		_	248 VH	155 M	1557 H		68		0.3	100

		Perce	nt Base	Saturati	on	Nitrate	Sulfur	Zu	Zinc		nese	Iron	Copper	Boron	Soluble Salts	
Sample ID Field ID	K %	Mg	Ca %	Na %	H %	NO ₃ N	\$	Z		M		Fe Boto	Cu	В	SS	
	70	%		70	70	ppm Rate	ppm Rate	ppm	Rate	ppm	Rate	ppm Rate	ppm Rate	ppm Rate	ms/cm Rate	
3	4.9	13.0	790	}	3.1			6.4	Н	45	Н					
4	64	12.9	77 9		3.0			3.6	Н	35	н					

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meg/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by Waypoint Analytical Virginia, Inc.

by Power ME George

Page 2 of 2

Report Number: 17-275-0555

Send To: Recyc Systems Inc

Susan Trumbo

Account Number: 70594

Waypoint W

7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

"Every acre... Every year "...

Grower: Timmy Baugher Greene

GRTGB

Date Received: 10/02/2017

8455 Whiteshop Road

Culpepper VA 22701

Date Of Report: 10/03/2017

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K₂O lb/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe Ib/A	Copper Cu Ib/A	Boron B Ib/A
3	Adjust pH to 6 8	0	0,0				0			0			
4	Adjust pH to 6 8	0	0,0				0			0			

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric Mc George

Page 1 of 2

Report Number: 14-267-0577 Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701

Grower:

Submitted By: BB

TIMOTHY BAUGHER

GREENE CO

Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s)

Mehlich 3

Date Received: 09/24/2014

Date Of Analysis: 09/25/2014

Date Of Report: 09/25/2014

	Organic Matter		atter	Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C	
Sample ID Field ID	Lab Number	%	Rate	ENR	Mehi	ich 3	Res	serve		Κ		Mg		Ca	N:		Soil	Buffer	H	
			-	lbs/A	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	рΗ	Index	meq/100g	meq/100g
3 GRTGB	14624	6.4	Н	150	33	М			62	Ł	169	Н	1033	М			5.9	6 79	1.4	8.1
4 GRTGB	14625	4.0	М	121	12	VL			74	L	93	M	898	Н			63	6 87	0.6	6 1

		Perce	nt Base	Saturati	ดก	Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
Sample ID Field ID	K %	Mg %	Ca %	Na %	Н %	Ppm	N Rate	ppm	S Rate	z ppm	n Rate	i	In Rate	ppm	e Rate	C ppm		ppm	_	S: ms/cm	_	_	CI Rate	Al ppm
3 GRTGB	20	17.4	63.8		17.2																			
4 GRTGB	31	12.7	73.6		10.6																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ma/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

Page 2 of 2

Report Number: 14-267-0577 Account Number: 70594



A&L Eastern Laboratories 7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

TIMOTHY BAUGHER

GREENE CO

Grower:

Submitted By: BB

Farm ID:

Send To: RECYC SYSTEMS INC SUSAN TRUMBO 8455 WHITESHOP RD

CULPEPER VA 22701

Date Received: 09/24/2014

Date Of Report: 09/25/2014

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ ib/A	Potash K₂O Ib/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn lb/A	Manganese Mn lb/A	iron Fe ib/A	Copper Cu Ib/A	Boron B Ib/A
3 GRTGB	Adjust pH to 6 8	0	18				0						
4 GRTGB	Adjust pH to 6 8	0	1.0				0						

Comments:

Sample(s): 4 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Page 1 of 2

Report Number: 14-183-0510 Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (904) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

TIMOTHY G BAUGHER/GRTGB

Submitted By: BB Farm ID;

GREENE CO

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 07/02/2014

Date Of Analysis: 07/03/2014

Date Of Report: 07/03/2014

		Or	ganic M	atter		Phos	phorus		Pota	ssium	Mag	nesium	Cal	cium	Sod	ium	F	Н	Acidity	C.E.C
Sample ID Field ID	Lab Number	%	Rate	ENR Ibs/A	Meh ppm	lich 3 Rate	Res ppm	erve Rate		K Rate		vig Rate		Ca Rate	N ppm	a Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	23107	37	М	109	30	L			139	M	171	M	1396	M			61	6 79	14	102
2	23108	45	M	123	7 1	Н			182	VH	158	M	1924	н			6.7	6.88	0.5	11_9
3	23109	4.3	M	118	16	L			51	VL	262	Н	1731	М		-	6 1	6 76	1.7	12 7
4	23110	40	М	118	12	VL			47	VL	187	Н	1252	н			6,5	6 87	0 6	86
5	23111	55	Н	140	74	Н			763	VH	360	Н	1493	М		<u> </u>	6.2	6 76	1 7	14 1

		Perce	nt Base	Saturati	on	Nite	rate	Su	lfur	Zi	n¢	Mang	anese	Iro	หา	Сор	рег	Во	ron	Soluble	e Salts	Chle	oride	Aluminum
Sample ID Field ID	К %	Mg %	Ca %	Na %	Н %	ppm) ₃ N Rate	ppm	S Rate	ppm 2	'n Rate	M ppm	n Rate	Fe ppm		ppm C		p p m	B Rate	S: ms/cm	-		CI Rate	Al ppm
1	3.5	140	68 4		13 7																		•	
2	39	11:1	80.8		4.5																			
3	1.0	17.2	68 1		13.7																		-	
4	1.4	18 1	728		74																			
5	139	21 3	52 9		122																			

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Analysis prepared by A&L Eastern Laboratones, Inc.

by Powric Mc George

Page 2 of 2

Report Number: 14-183-0510 Account Number: 70594



A&L Eastern Laboratories
7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax [804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: BB

TIMOTHY & BAUGHER/GRTGB

Farm ID:

GREENE CO

Date Received: 07/02/2014

Date Of Report: 07/03/2014

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ lb/A	Potash K₂O Ib/A	Magnesium Mg Ib/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe Ib/A	Copper Cu lb/A	Boron B Ib/A
1	Adjust pH to 6 8	0	15				Ó						
2	Adjust pH to 6 8	o	10				0						
3	Adjust pH to 6 8	0	1.5				0						
4	Adjust pH to 6 8	0	10				0						
5	Adjust pH to 6.8	0	15				0	-					

Comments:

Sample(s): 5 Crop: Adjust pH to 6.8

Cation Exchange Capacity may be over-estimated due to high potassium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made "

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Pauric Mc GRONY

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet (Fall, 2017-Winter, 2019) Timothy G. Baugher Planner: John Doe

Tract: 381

Location: Greene IN = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed:

	11 20000	Duodu.		Dupou at 10 1011101	41 OF 110 I GO	io ii oui								
	Field	Size	Yr.	Crop	Needs	Leg	Manure/Biosld	IT	Man/Bios	Net = Needs -	Sum	Commercial	Notes	
	CFSA No.	(ac)			N-P-K	/Man	Rate & Type	(d)	N-P-K	appid N-P-K	P	N-P-K		
	/Name	Total/			(lbs/ac)	Resid	(season)		(lbs/ac)	(lbs/ac)	rem	(lbs/ac)		
		Used									cred			
1	2/GRTGB 1(N)	18/18	2017	Grass Pasture	50-30-0	0/0_	-			50-30-0	N/A			

3/GRTGB 2(N) 23/23 2017 Grass Pasture 0-0-0 0/0 0-0-0 N/A 50-0-0 4/GRTGB 3(N) 16/16 2017 Grass Pasture 0/0 50-0-0 N/A 6/GRTGB 4(N) 8/8 2017 Grass Pasture 50-0-0 0/0 50-0-0 N/A 5/GRTGB 5(N) 12/12 2017 Grass Pasture 50-0-0 0/0 50-0-0 N/A

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes.

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K20	Lab	Soil pH	Lime Date	rec. lime tons/Ac
381	GRTGB 1	18	2014-Su	M (30 P ppm)	H- (139 K ppm)	A&L MIII	6.1		
381	GRTGB 2	23	2014-Su	H (71 P ppm)	H (182 K ppm)	A&L MIII	6.7		
381	GRTGB 3	16	2017-Fa	H+ (111 P ppm)	VH (249 K ppm)	A&L MIII	6.8		
381	GRTGB 4	8	2017-Fa	H- (59 P ppm)	VH (248 K ppm)	A&L MIII	6.8		
381	GRTGB 5	12	2014-Su	H (74 P ppm)	VH (763 K ppm)	A&L MIII	6.2		

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
381	381/2	GRTGB 1	18	Unison	Ilb	H	TI .	II .	
	381/3	GRTGB 2	23	Kinkora	V	V	Not Suited	Not Suited	
	381/4	GRTGB 3	16	Unison	IIIb	UI	Ш	IV	
	381/6	GRTGB 4*	8	Elioak	٧	IV	Ш	IV	High Leaching, Poor Drain
	381/5	GRTGB 5*	12	Elioak	IVb	III	_ III	111	Poor Drainage, Shallow so

^{*} Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applications.

Yield Range

Field Productivity	Corn Grain Bu/Acre	Barley/intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
Group	<u>l</u>	>80	<u></u>	>6	>4.0
il	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: New Plan Fall, 2017 - Winter, 2019

Farm Name: Timothy G. Baugher

Location: Greene
Specialist John Doe
N-based Acres: 76.4
P-based Acres: 0.0

Tract Name: 381 FSA Number: 381

Location: Greene

Field Name: GRTGB 1

Total Acres: 18.30 Usable Acres: 18.30

FSA Number: 2 Tract: 381

Location: Greene

Slope Class: A Hydrologic Group. D

Riparian buffer width: 0 ft Distance to stream | 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Su-2014 6.1 M(30 P ppm) H-(139 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

13	Cn	Codorus
36	Cs	Comus
15	Kn	Kinkora
36	UnA	Unison

Field Warnings:

Field Name: GRTGB 2

Total Acres: 22.60 Usable Acres: 22.60

FSA Number: 3 Tract: 381

Location: Greene

Slope Class: B Hydrologic Group: D

Riparian buffer width: 0 ft Distance to stream! 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method. Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Su-2014 6.7 H(71 P ppm) H(182 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

7 BaB Belvoir 11 EIC Elioak 82 Kn Kinkora

Field Warnings:

Field Name: GRTGB 3

Total Acres: 15.60 Usable Acres: 15.60

FSA Number 4 381 Tract:

Location: Greene

Hydrologic Group Slope Class В D

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	Р	K		Lab
Fa-2017	6.8	H+(111 P ppm)	VH(249 K ppm)	A&L MIII	

Soils:				
	PERCENT	SYMBO	DL	SOIL SERI
	2	Cs	Comus	
	5	EnC3	Elioak	
	32	Kn	Kinkora	
	57	UnB	Unison	
	5	UnC	Unison	

Field Warnings:

GRTGB 4 Field Name:

Usable Acres 7.80 Total Acres: 7.80

FSA Number: 6 Tract: 381

Location: Greene

Slope Class С Hydrologic Group!

Riparian buffer width 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method. Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	Ρ	K		Lab
Fa-2017	6.8	H-(59 P ppm)	VH(248 K ppm)	A&L MIII	

Soils:

PERCENT	SYMB	OL	SOIL SERIES
7	AsD	Ashe	
59	EnC3	Elioak	
27	EnD3	Elioak	
6	Hb	Hatbord	
2	Kn	Kinkora	

Field Warnings:

Environmentally Sensitive Soils due to

Soils with potential for leaching based on soil texture or excessive drainage

Soils with high potential for subsurface lateral flow based on soil texture and poor drainage

Soils with perent slope in excess of 15%

Field Name: GRTGB 5

Total Acres: 12.10 Usable Acres: 12.10

FSA Number: 5 Tract: 381

Location: Greene

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	Р	K		Lab
Su-2014	6.2	H(74 P ppm)	VH(763 K ppm)	A&L MIII	

Soils:

3 EIB Elioak	
o Elb Ellouit	
66 EIC Elioak	
11 Hb Hatboro	
16 HzD Hazel	
4 Kn Kinkora	

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with high potential for subsurface lateral flow based on soil texture and poor drainage

Shallow soils less than 41 inches deep likely to be located over fractured or limestone bedrock

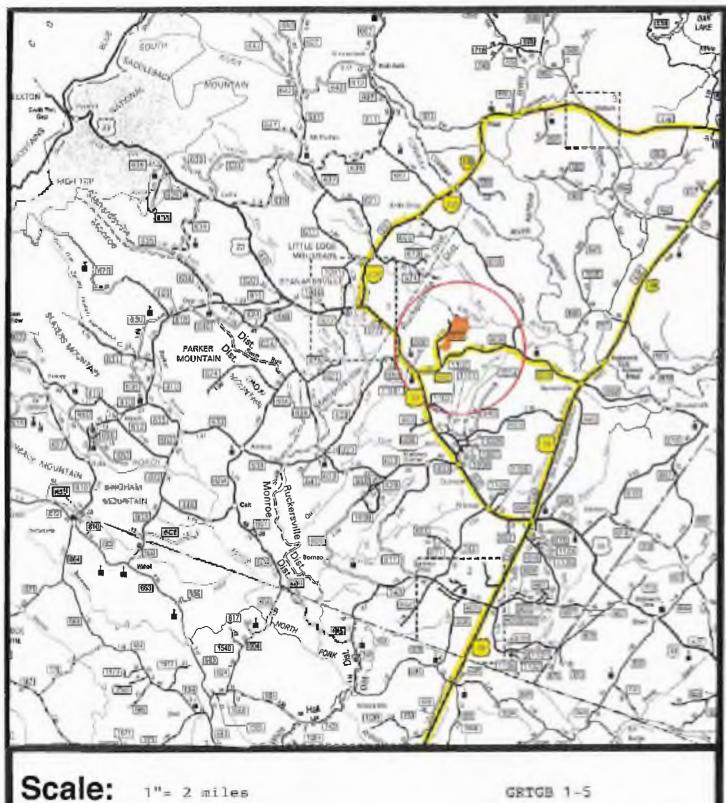
Soils with perent slope in excess of 15%

M P

Recyc Systems™

(Biosolids Land Application)

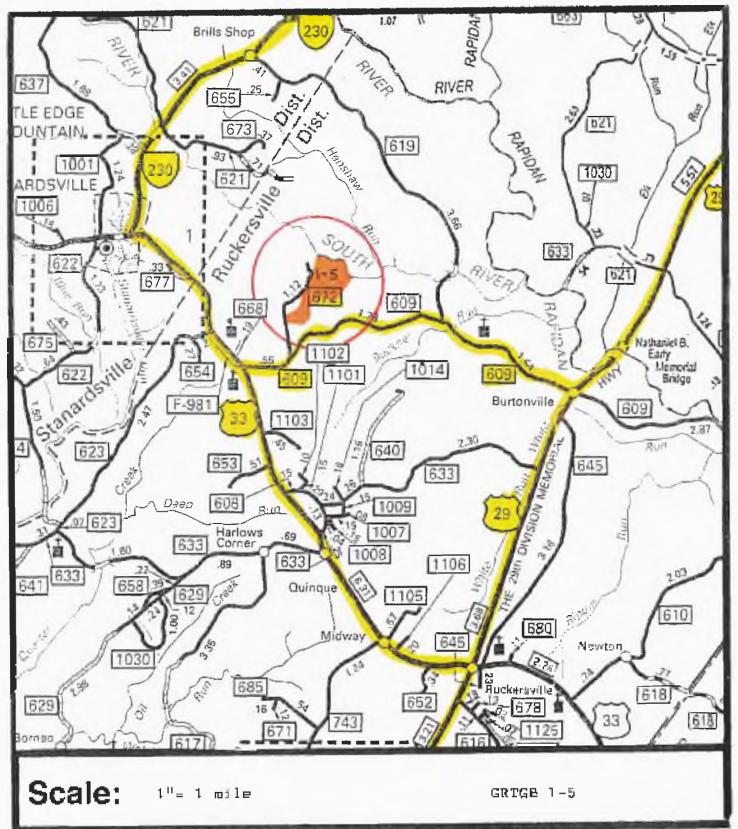




Recyc Systems...

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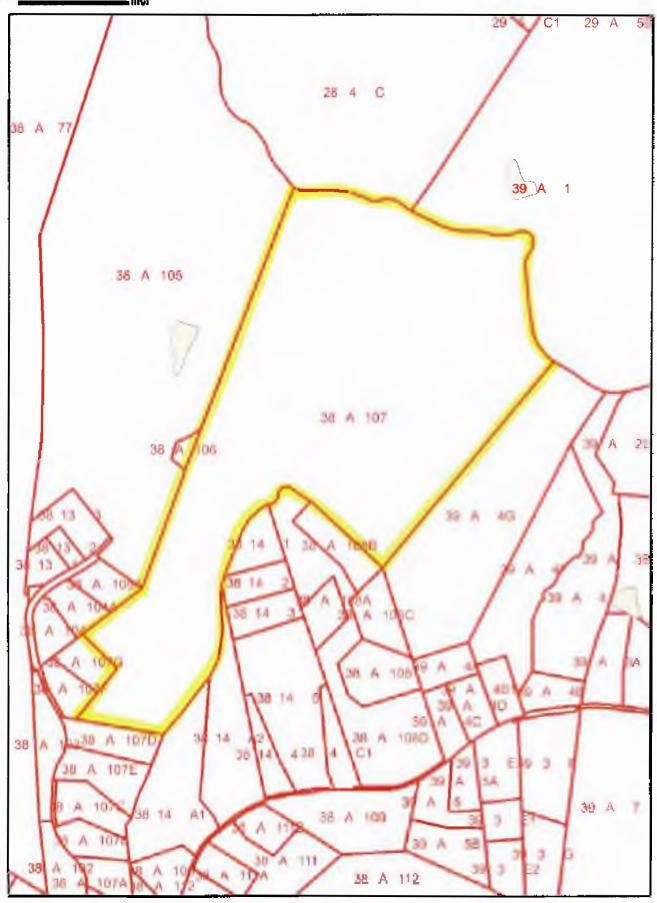




VICINITY MAP

10-18-17

Timothy G. Baugher GRTGB





ADJOINING LANDOWNERS

Timothy G. Baugher

GREENE COUNTY

Tax Map	Parcel #	Owner Name(s)
28 4	С	Merle W. Fallon Trustee of the James W. Hazel GST Tr. And James and Sarah Hazel
38 A	104A	Harold Morris and Wanda Morris Barden, Trustee of the William and Ella Morris Irrevocable Trust Harold Morris and Wanda Morris Barden, Trustee of the William
	105	and Ella Morris Irrevocable Trust
	105A	Gregory H. and Audrey M. Morris
	107 D	Timothy & Mary Baugher
	107F	Timothy Scott Baugher
	107G	Kevin Wayne Baugher
	108D	Charles F. & Patsy S. Donour
	108B	Trevor C. Shifflett
	108C	Reade F. Marchette and Victor D. Shifflett
38 14	1	B. Michael Powell
	2	Bryan Michael and Sarah Morris Powell
	A1	Christina M. and James Stelling
	A2	Christina M. and James Stelling
		Thomas Eddins Trustee of the Thomas Eddins Revocable Trust
39 A	1	and Carolyn Eddins
	4G	Steven L. & Codie C. Peters

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Soil Map-Greene County, Virginia



Scale:

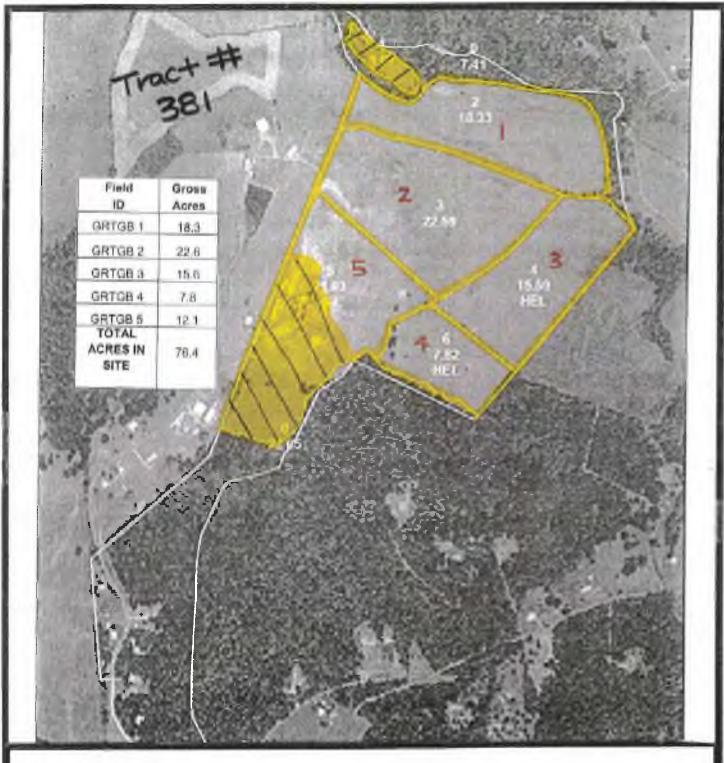
1"= 660 ft.

GRTGB 1-5

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Scale:

1"= 660 ft.

GRTGB 1-5

Legend For Site Plan

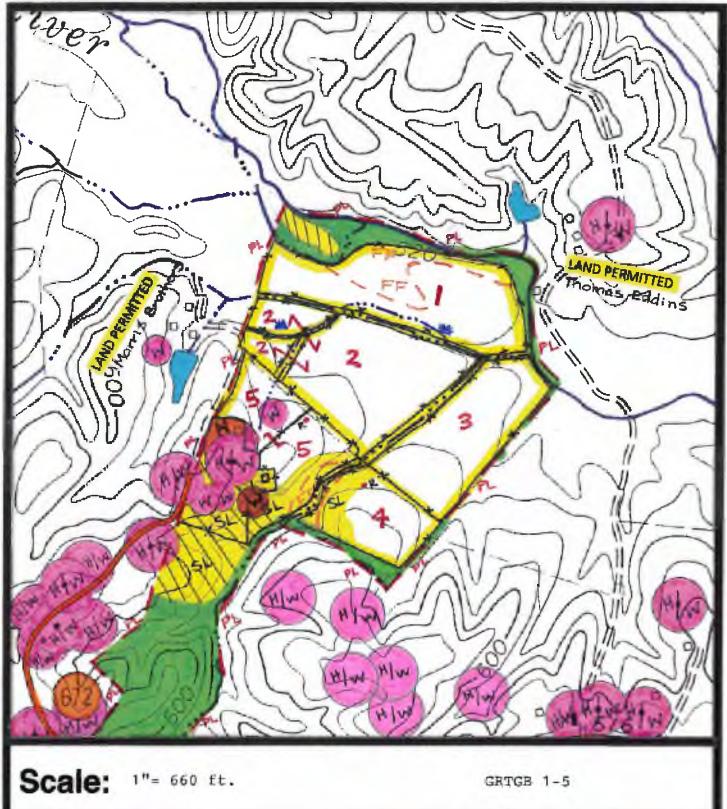
Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
6	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
Ш	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
=	Severely Eroded Spot	18 Inch minimum depth of soil
	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
P P P	Property Line	100 feet from property line *
SL S	Slope	15% maximum
	Hashed out Area	No application

^{*}Buffer can be reduced or waived upon written consent from landowner.

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SITE PLAN

10-18-17

N A

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